I. HISTORY & BACKGROUND

List four members of the South American camelid family and explain in detail the differences in each.

1. ____________________________
   ____________________________
   ____________________________
   ____________________________

2. ____________________________
   ____________________________
   ____________________________
   ____________________________

3. ____________________________
   ____________________________
   ____________________________
   ____________________________

4. ____________________________
   ____________________________
   ____________________________
   ____________________________

List three countries in South America that llamas come from.

1. ____________________________
   ____________________________
   ____________________________

2. ____________________________
   ____________________________
   ____________________________

3. ____________________________
   ____________________________
   ____________________________

What is the genus for the South American camelids? ____________________________

Why are llamas and alpacas classified in the camelid family? ____________________________

Describe the South American climate in which llamas and alpacas live. ____________________________
   ____________________________
   ____________________________
   ____________________________

Look at the map of the Western Hemisphere on page 52 and identify the following information about where llamas and alpacas originate.

A. The continent
B. The countries
C. The mountain ranges in those countries

Locate where you live. Color the entire map.
II. THE LLAMA & HIS BEHAVIOR

An average horse weighs 1500 pounds. How many average size llamas would it take to equal a horse's weight? _________________________________

What is the size comparison of llamas and alpacas? _________________________________

List three other cloven-footed animals.
1. _________________________________
2. _________________________________
3. _________________________________

Why are llamas less destructive to terrain than horses? _________________________________

Why is a llama's upper lip called prehensile? _________________________________

What is the term for an animal with many compartments in its stomach? _________________________________

List four different ruminants including one which occurs in the wild throughout the United States.
1. _________________________________
2. _________________________________
3. _________________________________
4. _________________________________

A llama may live as long as _________________________________ years.

A llama may have a cria for _________________________________

Define the function of the following parts of a llama:
Lungs: _________________________________

Heart: _________________________________

Liver: _________________________________

Kidneys: _________________________________

Cud/Stomach: _________________________________

ADVANCED 53
Identify the following body parts on the external llama diagram.

_________ Pastern
_________ Poll
_________ Tail
_________ Withers
_________ Fetlock
_________ Neck
_________ Chestnut (Scent gland)
_________ Croup
_________ Nostril
_________ Hock
_________ Chin
_________ Throat
_________ Chest
_________ Thigh
_________ Muzzle

_________ Abdomen (Belly)
_________ Back
_________ Knee (Carpus)
_________ Cheek
_________ Elbow
_________ Toenail
_________ Ear
_________ Fetlock
_________ Pad
_________ Stifle
_________ Jaw
_________ Hip
_________ Shoulder
_________ Foot

Identify the following bones on the internal llama diagram.

_________ Fetlock
_________ Ribs
_________ Humerus
_________ Pelvis
_________ Radius
_________ Fetlock

_________ Scapula
_________ Hock
_________ Tibia
_________ Stifle
_________ Sternum

_________ Femur
_________ Hind Cannon
_________ Knee
_________ Front Cannon
_________ Elbow
EXTERNAL LLAMA DIAGRAM

A. 
B. 
C. 
D. 
E. 
F. 
G. 
H. 
I. 
J. 
K. 
L. 
M. 
N. 
O. 
P. 
Q. 
R. 
S. 
T. 
U. 
V. 
W. 
X. 
Y. 
Z. 
BB. 
CC.
List two other types of animals that naturally live in herds.
1. ____________________________________________________________
2. ____________________________________________________________

List two reasons why a llama might spit.
1. ____________________________________________________________
2. ____________________________________________________________

Explain the process that enables a llama to spit. __________________________

III. TYPES
What is the purpose of guard hair? ______________________________________

What is the purpose of a llama’s finer undercoat? __________________________

If you plan to make a sweater, would you prefer llama wool or alpaca wool? Why? ______

IV. CONFORMATION & CORRECTNESS
List three conformation points to observe in a correct llama.
1. ____________________________________________________________
2. ____________________________________________________________
3. ____________________________________________________________

V. TEMPERAMENT
Explain Aberrant Male Behavior, why it happens and signs of an animal with it. ______

VI. PURCHASING A LLAMA
List three organizations from which someone could gain information concerning llamas.
1. ____________________________________________________________
2. ____________________________________________________________
3. ____________________________________________________________
VII. SHELTER
What is the minimum height of a fence required to contain a llama?

VIII. DIET
A llama consumes _______ % of its total body weight of food per day.
How much feed does your llama require per day?
State a mineral that should be provided for all llamas at all times.

IX. GENERAL HEALTH & MAINTENANCE
What is the best way to detect if a llama is or is not healthy?

Define the word “stoic.”

How might “stoic” apply to a llama?

List four types of preventative medicine a llama owner should use to help keep a llama healthy.
1. 
2. 
3. 
4. 

A. VACCINATIONS
What are three things llamas and alpacas need to be vaccinated for?
1. 
2. 
3. 

B. PARASITES
Describe how two different farms in your area control parasites.
1. 
2. 
What deadly parasite might a white tail deer pass on to llamas?

List two reasons why a llama could lose wool in patches.
1. 
2. 

58 ADVANCED
C. TEETH & FEET
   How can a llama owner tell if a llama needs its toenails trimmed?
   ___________________________________________________________________
   How old are llamas when they grow their fighting teeth?
   ___________________________________________________________________
   How many fighting teeth do male llamas grow and where are they?
   ___________________________________________________________________

D. HEAT STRESS & COLD WEATHER
   What is the normal temperature of an adult llama and how do you check it?
   ___________________________________________________________________
   How does a llama trainer prevent heat stress?
   ___________________________________________________________________
   List three signs of heat stress.
   1. ___________________________________________________________________
   2. ___________________________________________________________________
   3. ___________________________________________________________________
   List three ways to help a llama experiencing heat stress.
   1. ___________________________________________________________________
   2. ___________________________________________________________________
   3. ___________________________________________________________________
   What should be done to prevent problems when changing a llama’s diet?
   ___________________________________________________________________
   List six ways to decrease stress on a llama while showing the animal.
   1. ___________________________________________________________________
   2. ___________________________________________________________________
   3. ___________________________________________________________________
   4. ___________________________________________________________________
   5. ___________________________________________________________________
   6. ___________________________________________________________________

X. LLAMA TRAINING
   In your opinion what are the two most important places to desensitize and why?
   1. ___________________________________________________________________
   2. ___________________________________________________________________
List four steps in desensitizing the back legs.
1. ___________________________  3. ___________________________
2. ___________________________  4. ___________________________

A good llama trainer can anticipate a llama’s actions by first ___________________________
and ___________________________ the llama’s movements.

If working with a llama who spits or kicks, explain how you would try to change this behavior.

A. EQUIPMENT

Why is it important to put a halter on and off continually when training a llama? ________

List three things a llama trainer might do to help an untrained llama follow on a lead rope.
1. ___________________________
2. ___________________________
3. ___________________________

B. PROCEDURE

List three ways to gain a llama’s trust.
1. ___________________________
2. ___________________________
3. ___________________________

What is the tug and release technique? ___________________________

List the two most important things to remember when desensitizing a llama.
1. ___________________________
2. ___________________________

C. PACKING

How does a trainer know how much weight a llama can pack? ___________________________

What is a good first step when getting ready to train your llama to pack? ___________________________

How can a trainer help a llama keep its balance while packing? ___________________________
Advanced Level

XI Alpacas

1. Alpacas have __________ type of feet
2. Explain the two fiber types of an alpaca.
   ________________________________________________________________________
   ________________________________________________________________________
   ________________________________________________________________________
3. List three disease common in alpacas, explain 2.
   ________________________________________________________________________
   ________________________________________________________________________
   ________________________________________________________________________
4. How old should your lama be before you can breed her? __________
5. How long after birth of her cria does she wait to become pregnant again?
   ________________________________________________________________________
6. Combined name of llamas and alpacas is __________
7. Lamas live about how long? ________________
8. When can you start pack training your alpaca? ________________
9. Describe the basic care and keeping of alpacas.
   ________________________________________________________________________
   ________________________________________________________________________
   ________________________________________________________________________
   ________________________________________________________________________